Claims:-

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- 1. A composition for forming a fire resistant material comprising a plurality of expandable beads of a polymeric material, wherein the polymeric material comprises polystyrene, said beads being coated with an exfoliable graphite, characterised in that the exfoliable graphite is adhered to the beads with a resin having a solubility parameter of within substantially 0.5(cal cm⁻³)^{1/2} of the solubility parameter of the polymeric material.
- 2. A composition according to any preceding claim characterised in that the resin comprises an emulsion comprising one or more of a styrene/acrylic copolymer, a styrene homopolymer, a vinylidene vinyl chloride copolymer, methylphenyl siloxane.
 - 3. A composition according to claim 1or 2 characterised in that the resin includes a halogenated flame retardant.
 - 4. A composition according to claim 3 characterised in that the resin includes a synergist comprising an oxide of an element of Group 6B of the Periodic Table.
- 5. A composition according to claim 3 or 4 characterised in that the halogenated flame retardant comprises a brominated flame retardant.
 - 6. A composition according to claim 3, 4 or 5 characterised in that the flame retardant comprises hexabromocyclododecane.
 - 7. A composition according to claim 3, 4, 5 or 6 characterised in that the synergist comprises tungsten oxide.
- 8. A composition according to any of claims 3 to 7 characterised in that the synergist comprises yellow tungsten oxide.
 - 9. A composition according to any preceding claim characterised in that the expandable beads comprise partially expanded polystyrene beads.

- 10. A method of forming a fire resistant material comprising: providing a composition according to any preceding claim; and thereafter causing or allowing said beads to expand and fuse together.
- 11. A fire resistant material comprising a composition according to any of claims 1 to 11 wherein the beads have been allowed to expand and fuse together.
- 12. A fire carrier formed of a fire resistant material according to claim 11 arranged between non-flammable outer skins where the fire resistant material contains sufficient exfoilable graphite substantially to fill the cavity between the skins on expansion thereof after melting and loss of within substantially 0.5(cal cm⁻³)^{1/2} of the polymeric material in a fire situation

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